

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE <i>(ER 1130-2-3165)</i>						PAGE 1 OF 2	
						DATE August 15, 2008	
TO: The Record					FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090		
RIVER/HARBOR NAME AND STATE: Raritan River, New Jersey						MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD	
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
RARITAN RIVER							
MAIN CHANNEL Reach A: Great Beds Reach - From Green Can #5 to Red Nun #4	File 513, Sheets 2-3 of 11; 8,10,14,15, 16,18,22 & 24 July 2008	300	0.70	25	18.8	21.6	19.8
MAIN CHANNEL Reach B: South Amboy Reach - From Red Nun #4 to the New Jersey CRR Bridge	File 513, Sheets 3-5 of 11; 8,10,14,15, 16,18,22 & 24 July 2008	300	1.16	25	19.8	21.9	17.9
MAIN CHANNEL Reach C: Sandy Pt Reach - From the New Jersey CRR Bridge to the Hwy 35 Victory Bridge	File 513, Sheets 5-6 of 11; 8,10,14,15, 16,18,22 & 24 July 2008	300	.92	25	20.4	18.2	20.4
MAIN CHANNEL Reach D: Keasby Reach - From the Hwy 35 Victory Bridge to approximately 330 ft landward of Green Can #13	File 513, Sheets 6-8 of 11; 8,10,14,15, 16,18,22 & 24 July 2008	300	1.13	25	5.4	9.6	18.2
REMARKS: <ul style="list-style-type: none"> All depths are in Mean Low Water (MLW). The channel length is in nautical miles. 							
RARITAN RIVER Main Channel: <ul style="list-style-type: none"> Reach A: Great Beds Reach - In general, shoaling is present throughout much of the entire width of the channel. Reach B: South Amboy Reach - Shoaling is present throughout most of the entire width of the channel from the beginning of the reach to approximately 915 ft seaward of the New Jersey CRR Bridge with an approximately 900 ft break in shoaling beginning approximately 570 ft seaward of Junction R. Additional shoaling is present in the right outside quarter (ROQ), left outside quarter (LOQ), and middle half (MH) of the channel for the remainder of the Reach. Reach C: Sandy Pt Reach - A shoal is present for approximately 500 ft in length beginning 150 ft landward of the New Jersey CRR Bridge in the ROQ. A shoal approximately 285 ft in length is present in the MH beginning approximately 175 ft landward of the New Jersey CRR Bridge. A shoal approximately 2,600 ft in length occupies most of the width of the LOQ beginning approximately 2,760 ft seaward of the HWY 35 Victory Bridge. Reach D: Keasby Reach – Shoaling begins approximately 110 ft landward of the Hwy 35 Victory Bridge in the LOQ and approximately 1,180 ft in the ROQ throughout the length of the reach. Shoaling begins the MH at Green Can #11 and extends to the end of the reach. 							

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RARITAN RIVER							
NORTH CHANNEL Reach E: Red Root Reach - From approximately 330 ft landward of Green Can #13 to approximately 1,145 ft seaward of Green Buoy #25	File 513, Sheets 8-10 of 11; 8,10,14,15, 16,18,22 & 24 July 2008	300	.95	25	11.7	16.4	13.4
NORTH CHANNEL Reach F: Turning Basin – From approximately 1,145 ft seaward of Green Buoy #25 to approximately 760 ft landward of Green Buoy #25	File 513, Sheets 10 of 11; 8,10,14,15, 16,18,22 & 24 July 2008	600	0.31	25	1.2		
SOUTH CHANNEL Reach J: From approximately 330 ft landward of Green Can #13 to approximately 2,400 ft landward of Green Can #13	File 513, Sheets 8 & 11 of 11; 8,10,14,15, 16,18,22 & 24 July 2008	300	.33	25	4.2	4.2	3.6
SOUTH CHANNEL Reach K: From approximately 2,400 ft landward of Green Can #13 to approximately 3,825 ft landward of Green Can #13	File 513, Sheet 11 of 11; 8,10,14,15, 16,18,22 & 24 July 2008	300	.23	25	6.8	2.0	0.3
REMARKS: <ul style="list-style-type: none"> All depths are in Mean Low Water (MLW). The channel length is in nautical miles. 							
RARITAN RIVER North Channel: <ul style="list-style-type: none"> Reach E: Red Root Reach - Shoaling is present throughout the entire width of the channel. Reach F: Turning Basin - Shoaling exists throughout most of the turning basin with the exception of an area beginning approximately 960 ft seaward of Green Buoy #25 and extending approximately 680 ft landward of Green Buoy #25.. South Channel: <ul style="list-style-type: none"> Reach J: Shoaling exists throughout the entire width of the channel. Reach K: Shoaling exists throughout the entire width of the channel. 							